

**ECG DRIVEN IMAGE RECONSTRUCTION FOR
CARDIAC IMAGING**

ABSTRACT OF THE DISCLOSURE

A method for generating an image of a heart at a selected cardiac phase is described. The method includes acquiring a first electrocardiogram (ECG) of the heart at a first phase, introducing a time delay into the first ECG to generate a phase-delayed ECG of the heart at the first phase, and using the first ECG and the phase-delayed ECG to generate an image of the heart.